SEQUENCE LISTING

(1) GENERAL INFORMATION:

 (i) APPLICANT: Ding, Shou-wei

 (ii) TITLE OF INVENTION: DISEASE RESISTANT TRANSGENIC PLANTS

 (iii) NUMBER OF SEQUENCES: 4

 (iv) CORRESPONDENCE ADDRESS:
  (A) ADDRESSEE: Rothwell, Figg, Ernst & Kurz
  (B) STREET: 555 Thirteenth Street, N.W., Suite 701 East
  (C) CITY: Washington
  (D) STATE: DC
  (E) COUNTRY: USA
  (F) ZIP: 20004

 (v) COMPUTER READABLE FORM:
  (A) MEDIUM TYPE: Floppy disk
  (B) COMPUTER: IBM PC compatible
  (C) OPERATING SYSTEM: PC-DOS/MS-DOS
  (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

 (vi) CURRENT APPLICATION DATA:
  (A) APPLICATION NUMBER: US 09/153,241
  (B) FILING DATE: 15-SEP-1998
  (C) CLASSIFICATION:

 (vii) PRIOR APPLICATION DATA:
  (A) APPLICATION NUMBER: WO PCT/SG98/00035
  (B) FILING DATE: 12-MAY-1998

 (viii) ATTORNEY/AGENT INFORMATION:
  (A) NAME: Figg, Edward A.
  (B) REGISTRATION NUMBER: 27,195
  (C) REFERENCE/DOCKET NUMBER: 2248-108

 (ix) TELECOMMUNICATION INFORMATION:
  (A) TELEPHONE: 202-783-6040
  (B) TELEFAX: 202-783-6031

(2) INFORMATION FOR SEQ ID NO:1:

 (i) SEQUENCE CHARACTERISTICS:
  (A) LENGTH: 328 base pairs
  (B) TYPE: nucleic acid
  (C) STRANDEDNESS: double
  (D) TOPOLOGY: linear

 (ii) MOLECULE TYPE: DNA (genomic)

 (iii) HYPOTHETICAL: NO

 (iv) ANTI-SENSE: NO

 (vi) ORIGINAL SOURCE:
  (A) ORGANISM: Tomato aspermy virus

 (vii) IMMEDIATE SOURCE:
  (B) CLONE: pTMV-30B

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

ACCGTTAAGA AGAAGAAGAA TGGCAAGCAT CGAGATCCCT CTACACGAGA TCATTCGAAA   60

GTTGGAACGG ATGAATCAAA AGAAACAAGC ACAGAGGAAA CGACACAAAC TGAACCGCAA   120

GGAGCGGGGT CACAAAAGTC CAAGTGAACA AAGGCGATCG GAGTTATGGC ACGCGCGTCA   180

AGTTGAACTT TCTGCCATTA ATTCCGATAA TTCTTCAGAT GAGGGTACCA CTCTGTGTCG   240

CTTTGACACA TTTGGTTCCA AGTCTGATGC TATTTGTGAT CGCTCTGACT GGTGTCTCGA   300

TCAATGATTT CCGACCCTTC GTCGTCCG   328

(2) INFORMATION FOR SEQ ID NO:2:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 328 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: other nucleic acid
        (A) DESCRIPTION: /desc = "Synthetic DNA"

    (iii) HYPOTHETICAL: NO

    (iv) ANTI-SENSE: NO

    (vi) ORIGINAL SOURCE:
        (A) ORGANISM: Tomato aspermy virus

    (vii) IMMEDIATE SOURCE:
        (B) CLONE: pTAVd2b1

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

ACCGTTAAGA AGAAGTAGAA TGTAAAGCAT CGAGATCCCT CTACACGAGA TCATTCGAAA   60

GTTGGAACGG ATGAATCAAA AGAAACAAGC ACAGAGGAAA CGACACAAAC TGAACCGCAA   120

GGAGCGGGGT CACAAAAGTC CAAGTGAACA AAGGCGATCG GAGTTATGGC ACGCGCGTCA   180

AGTTGAACTT TCTGCCATTA ATTCCGATAA TTCTTCAGAT GAGGGTACCA CTCTGTGTCG   240

CTTTGACACA TTTGGTTCCA AGTCTGATGC TATTTGTGAT CGCTCTGACT GGTGTCTCGA   300

TCAATGATTT CCGACCCTTC GTCGTCCG   328

(2) INFORMATION FOR SEQ ID NO:3:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 328 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: other nucleic acid
        (A) DESCRIPTION: /desc = "Synthetic DNA"

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      (iii) HYPOTHETICAL: NO

       (iv) ANTI-SENSE: NO

       (vi) ORIGINAL SOURCE:
            (A) ORGANISM: Tomato aspermy virus

      (vii) IMMEDIATE SOURCE:
            (B) CLONE: pTAVd2b2

       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

ACCGTTAAGA AGAAGTAGAA TGTAAAGCAT CGAGATCCCT CTACACGAGA TCATTCGAAA      60

GTTGGAACGG ATGAATCAAA AGAAACAAGC ACAGAGGAAA CGACACAAAC TGAACCGCAA     120

GGAGCGGGGT CACAAAAGTC CAAGTGAATA AAGGTGATCG GAGTTATGGC ACGCGCGTCA     180

AGTTGAACTT TCTGCCATTA ATTCCGATAA TTCTTCAGAT GAGGGTACCA CTCTGTGTCG     240

CTTTGACACA TTTGGTTCCA AGTCTGATGC TATTTGTGAT CGCTCTGACT GGTGTCTCGA     300

TCAATGATTT CCGACCCTTC GTCGTCCG                                        328

(2) INFORMATION FOR SEQ ID NO:4:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 504 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

       (ii) MOLECULE TYPE: DNA (genomic)

      (iii) HYPOTHETICAL: NO

       (iv) ANTI-SENSE: NO

       (vi) ORIGINAL SOURCE:
            (A) ORGANISM: Cucumber mosaic virus

      (vii) IMMEDIATE SOURCE:
            (B) CLONE: pCMV2b

       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

GATCCATGGA TGTGTTGACA GTAGTGGTGT CGACCGCCGA CCTCCACTTA GCCAATTTGC      60

AGGAGGTGAA ACGTCGAAGA CGAAGGTCTC ACGTCAGAAA CCGGCGAGCG AGGGGTTACA     120

AAAGTCCCAG CGAGAGAGCG CGATCTATAG CGAGACTTTT CCAGATGTTA CCATTCCACG     180

GAGTAGATCC CGTGGATTGG TTTCCTGATG TCGTTCGCTC TCCGTCCGTT ACCAGCCTTG     240

TTTCTTATGA ATCTTTTGAT GATACTGATT GGTTTGCTGG TAACGAATGG GCCGAAGGGT     300

CGTTTTGATT TCCGACCCTT CGTCGTCCGA AGACGTTAAA CTACGCTCTC TTTATTGCGA     360

GTGCTGAGTT GGTAGTTTGC TCTAAACTAT CTGAAGTCGC TAAATCCATT ACTGGTTGCG     420

AACGGGTTGT CCATCCAGCT TACGGCTAAA ATGGTCAGTC ATGCCCCAAA GGCATGCCGA     480

CACCCTACAG GGTTGTCGAG GTAC                                            504
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